



MARINA

(Marine Diesel Engine Oil)

DIESEL ENGINE OIL

DESCRIPTION

U-LUBE MARINA is high quality , alkaline marine diesel engine oil ,formulated from paraffinic base oil with combination of selected additives package providing load carrying ability, good detergency and excellent oxidation stability. It provides high alkalinity in service when high sulfur fuel is used.

APPLICATION

U-LUBE MARINA is recommended to use in high output tank piston marine diesel engine on heavy residual fuel up to 2 - 3% sulfur content. It is suitable for 4 stroke and medium diesel engine.

BENEFITS

- Excellent TBN retention properties
- Provide excellent thermal stability.
- Excellent protection from sludge and deposit on piston and ring
- Excellent protection against rust and corrosion
- Excellent cleaning properties of piston, cylinders and ports
- Excellent oxidation resistance to extend the engine life period.

SPECIFICATIONS

API : CF

PRODUCT CHARACTERISTICS:

| Test Parameter | Units | Typical Results | | | | Method |
|-------------------|--------------------|-----------------|-------|-------|-------|--------------|
| | | 30 | 40 | 30 | 40 | |
| SAE Grade | ----- | 30 | 40 | 30 | 40 | ----- |
| Appearance | ----- | C&B | C&B | C&B | C&B | Visual |
| Density @ 15°C | Kg/m ³ | 0.890 | 0.902 | 0.898 | 0.903 | ASTM D-4052 |
| Viscosity @ 40°C | mm ² /s | 103 | 148 | 104 | 149 | ASTM D-7042 |
| Viscosity @ 100°C | mm ² /s | 11.7 | 15 | 11.7 | 15 | ASTM D-7042 |
| Viscosity Index | - | 98 | 101 | 98 | 100 | ASTM D- 2270 |
| Flash Point (COC) | °C | 240 | 251 | 240 | 250 | ASTM D-92 |
| Pour Point | °C | -18 | -12 | -12 | -12 | ASTM D-97 |
| Base Number | mg of KOH/gr | 30 | 30 | 40 | 40 | ASTM D-2896 |

